



In the United States Patent and Trademark Office

Applicant: Lezdey et al
Serial No.: 09/957,012
Filed: 09/20/2001
For: Oral Methods of Treatment

Box Amendment-No Fee
Commissioner for Patents
Washington, DC. 20231

Examiner: Coe
Art Unit: 1654

TRANSMITTAL

Dear Sir:

Please find enclosed for filing:

Post Card
 Response
 Search

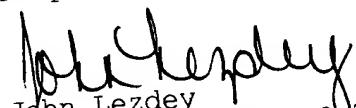
Date: January 7, 2003
Docket No.: 1434-K

RECEIVED

JAN 16 2003

TECH CENTER 1600/2000

Respectfully submitted,


John Lezdey
Registration No. 22,735
John Lezdey & Associates
4625 East Bay Drive
Suite 302
Clearwater, FL 33764
(727) 539-0633

I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS
FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO:
COMMISSIONER OF PATENTS AND TRADEMARKS
WASHINGTON, DC 20231

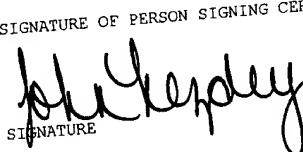
On January 7, 2003

DATE OF DEPOSIT

PRINT OR TYPE NAME OF PERSON SIGNING CERTIFICATE

John Lezdey

SIGNATURE OF PERSON SIGNING CERTIFICATE

 01/07/03
DATE

SIGNATURE



In the United States Patent and Trademark Office

Applicant: Lezdey et al
Serial No.: 09/957,012
Filed: 09/20/2001
For: Oral Methods of Treatment

Examiner: Coe
Art Unit: 1654

#4
D.J.J
2/5/03

Box Amendment-No Fee
Commissioner for Patents and Trademarks
Washington, DC. 20231

RECEIVED

JAN 16 2003

TECH CENTER 1600/2900

Response

Responsive to the Official Action dated December 26, 2002.

In response to the requirement for restriction, applicants provisionally elect rheumatoid arthritis from Group A and alpha1-antitrypsin from Group B with traverse.

Claims readable thereon are claims 2, 3, 4, 6-11, 14, 15, 16, and 18-20.

It is respectfully submitted that three protease inhibitors are obvious variants of each other in their function. Each of the protease inhibitors are members of the serine family. One half of the alpha2-macroglobulin comprises a molecular formula similar to alpha1-antitrypsin, the other half alpha1-antichymotrypsin. Each of the protease inhibitors are useful in diseases characterized by elastase, are inhibitory of matrix metalloproteinases, and are antiviral.

In this regard the Examiner's attention is directed to:

Application serial No. 09/723,840 which has been allowed and claims the treatment of interstitial cystitis, rheumatoid arthritis, and scleroderma with alpha1-antitrypsin or alpha1-antitrypsin conjugated to polyethylene glycol and secretory

leucocyte protease inhibitor. The difference being that the present invention relates to oral administration. Full faith and credit is requested of the previous examination of the Patent office.

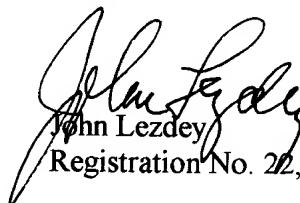
Application serial No. 09/624,442 which has been allowed and claims the treatment of systemic lupus erythematosis with alpha1-antitrypsin, secretory leucocyte protease inhibitor, and alpha2-macroglobulin.

Patent No. 5,532,215 shows the common antiviral aspects of the protease inhibitors. The antiviral claims for alpha2-macroglobulin are found in a separate patent.

Enclosed for the Examiner's consideration are results of a search on the oral administration of alpha1-antitrypsin.

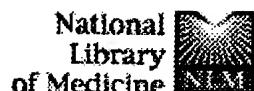
Favorable action is earnestly solicited.

Respectfully submitted,



John Lezdey
Registration No. 22,735

John Lezdey & Associates
4625 East Bay Drive
Suite 302
Clearwater, FL. 33764
(727) 539-0633



PubMed	Nucleotide	Protein	Genome	Structure	PopSet	Taxonomy	OMIM
Search <input type="text" value="PubMed"/>	for <input type="text" value="protein AND (oral delivery OR pill) AND (drug OR pharmaceutical) AND review"/>	<input type="button" value="Preview"/>	<input type="button" value="Go"/>	<input type="button" value="Clear"/>			
		Limits	Preview/Index	History	Clipboard		

[About Entrez](#)

[Entrez PubMed](#)
[Overview](#)
[Help | FAQ](#)
[Tutorial](#)
[New/Noteworthy](#)

[PubMed Services](#)
[Journal Browser](#)
[MeSH Browser](#)
[Single Citation](#)
[Matcher](#)
[Batch Citation Matcher](#)
[Clinical Queries](#)
[Cubby](#)

[Related Resources](#)
[Order Documents](#)
[Grateful Med](#)
[Consumer Health](#)
[Clinical Alerts](#)
[ClinicalTrials.gov](#)

[Privacy Policy](#)

Search	Most Recent Queries	Time	Result
#8	Search protein AND (oral delivery OR pill) AND (drug OR pharmaceutical) AND review	13:52:00	107
#7	Search protein AND (oral delivery OR pill) AND (drug OR pharmaceutical)	13:51:41	497
#6	Search protein AND (oral delivery OR pill)	13:50:32	1426
#5	Search protein AND (oral delivery) AND (drug OR pharmaceutical) AND review	13:49:56	93
#4	Search protein AND (oral delivery) AND (drug OR pharmaceutical) AND (antitrypsin)	13:49:26	0
#3	Search protein AND (oral delivery) AND (drug OR pharmaceutical)	13:49:15	382 ✓ (370)
#2	Search protein AND (oral delivery)	13:49:01	967
#1	Search protein	13:48:51	2430194

[Write to the Help Desk](#)

[NCBI](#) | [NLM](#) | [NIH](#)

[Department of Health & Human Services](#)

[Freedom of Information Act](#) | [Disclaimer](#)

RECEIVED

JAN 16 2003

TECH CENTER 1600/2900